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Substitute for form 1449/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

## **Complete if Known**

Application Number	10/051,752
Filing Date	January 16, 2002
First named Inventor	John D. Puskas
Group Art Unit	3766
Examiner name	Carl Hernandez Layno
Attorney Docket Number	065071-9052-04

## **U.S. Patent Documents**

Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
	5,154,172	Terry, Jr., et al.	10/13/1992
	5,179,950	Stanislaw	1/19/1993
	5,186,170	Varrichio et al.	2/16/1993
	5,188,104	Wernicke et al.	2/23/1993
	5,215,086	Terry, Jr. et al.	6/1/1993
	5,231,988	Wernicke et al.	8/3/1993
	5,235,980	Varrichio et al.	8/17/1993
	5,269,303	Wernicke et al.	12/14/1993
	5,299,569	Wernicke et al.	4/5/1994
	5,335,657	Terry, Jr. et al.	8/9/1994
	5,423,877	Mackey	6/13/1995
	5,707,400	Terry, Jr., et al.	1/13/1998
	5,928,272	Adkins, et al.	7/27/1999
	6,473,644	Terry, Jr. et al.	10/29/2002
	6,587,719	Barrett et al.	7/1/2003
	6,609,025	Barrett et al.	7/1/2003
	6,622,038	Barrett et al.	9/16/2003
	6,622,041	Terry, Jr. et al.	9/16/2003
	6,622,047	Barrett et al.	9/16/2003
	6,721,603	Zabara et al.	4/13/2004

## **FOREIGN PATENT DOCUMENTS**

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Sheet	1	of	4		

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc. ), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
		AGNEW, William F., et al., "Considerations for Safety with Chronically Implanted Nerve Electrodes, Epilepsia, 31(Suppl. 2), 1990, pp. S27-S32, Raven Press, Ltd., New York.
		BELL, et al., "Inotropic Responses of the Left Ventricle to Changes in Heart Rate in Anesthetized Rabbits," Can. J. Physiol. Pharmacol., 65:179-184.
		BENNETTI, F.J., "Direct Coronary Artery Surgery with Saphenous Venin Bypass Without Either Cardiopulmonary Bypass or Cardiac Arrest, J. Cardiovasc. Surg., 26:217-222.
		BENETTI, et al., "Use of Thoracoscopy and a Minimal Thoracotomy, in Mammary-Coronary Bypass to Left Anterior Descending Artery, Without Extracorporeal Circulation," J. Cardiovasc. Surg., 36:159-161.
		BRODDE, Otto-Erich, et al., "Cardiac Muscannic Receptors Decrease with Age In Vitro and In Vivo Studies," Journal of Clinical Investigation, 1998, Vol. 101, No. 2, pp. 471-478.
		Declaration/Clarification of John D. Puskas, M.D., October 11, 2005.
		DiMARCO, J. P., M.D., et al., "Adenosine: Electrophysiologic Effects and Therapeutic Use for Terminating Paroxysmal Supraventricular Tachycardia," Therapy and Prevention Arrhythmia, Circulation 68, No. 6, 1983, pp. 1254-1263.
		FANNING, et al., "Reoperative Coronary Artery Bypass Grafting Without Cardiopulmonary Bypass," Ann. Thorac. Surg., 55:486-489.
		FREILICH, A., M.D., et al., "Adenosine and its Cardiovascular Effects," American Heart Journal, vol. 123, No. 5, May 1992, pp. 1324-1328.

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		GORMAN, Christine, et al., "How New Heart-Scanning Technology Could Save Your Life," <u>Time</u> , September 5, 2005, pp. 61 and 67.
		HAGEMAN, G.R., et al., "Direct and Reflex Cardiac Bradycardias From Small Vagal Nerve Stimulations," Am. Heart J., Vol. 89, No. 3, pp. 338-348, 1975 (Abstract Only).
		HAMMOND, Edward J., et al., "Vagus Nerve Stimulation in Humans: Neurophysiological Studies and Electrophysiological Monitoring," <u>Epilepsia</u> , 31 Suppl. 2), 1990, pp. S51-S59, Raven Press, Ltd., New York.
		KLASSEN, et al., "Coronary Venous Pressure and Flow: Effects of Vagal Stimulation, Aortic Occlusion, and Vasodilators," Can. J. Physiol. Pharmacol., 1983, 62:531-538.
		LEVY, M. et al., "Autonomic Control of Cardiac Pacemaker Activity and Atrioventricular Transmission," <u>Journal of Applied Physiology</u> , vol. 27, No. 4, October 1969.
		LOCKARD, Joan S., et al., "Feasibility and Safety of Vagal Stimulation in Monkey Model," <u>Epilepsia</u> , 31(Supp. 2), 1990, pp. S20-S26, Raven Press, Ltd., New York.
		MOHIUDDIN, S. M., M.D., et al., "Safety of Different Dosages of Intravenous Adenosine Used in Conjunction with Diagnostic Myocardial Imaging Techniques," <u>Pharmacotherapy</u> , 1993, 13(5), pp. 476-480.
		NOBREGA, et al., "Resting and Reflex Heart Rate Responses During Cholinergic Stimulation With Pyridostigmine in Humans," <u>Brazilian J. Med. Biol. Res</u> , Vol. 29, No. 11, pp. 1461-1465, 1996 (Abstract Only).
		NOONAN, David, "And the Beat Goes On," <u>Newsweek</u> , July 11, 2005, pp. 56-57.

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				Examiner Name	Carl Hernandez Layno
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		OKAZAWA, M., et al., "Effect of Vagal Stimulations and Parenteral Acetylcholine on Canine Trachealis Muscle Shortening," J. Appl. Physiol., Vol. 75, No. 6, pp. 2463-2468, 1992 (Abstract Only).
		PACE, (on the use of nerve cuff stimulation of the vagal nerves, October 1992, Vol. 15, No. 10, pt. 11, pp. 1543-1630.
		PENRY, J. Kiffin, et al., "Prevention of Intractable Partial Seizures by Intermittent Vagal Stimulation in Humans: Preliminary Results," Epilepsia, 31(Suppl. 2), 1990, pp. S40-S43, Raven Press, Ltd., New York.
		PFISTER, et al., "Coronary Artery Bypass Without Cardiopulmonary Bypass," Ann. Thorac. Surg., 54:1085-92.
		RANDALL, Walter C., PhD., "Parasympathetic Control of the Heart," Chapter 4, Nervous Control of Cardiovascular Function, 1984, pp. 68-94.
		REID, Steven A., "Surgical Technique for Implantation of the Neurocybernetic Prosthesis," Epilepsia, 31(Suppl. 2), 1990, pp. S38-S39, Raven Press, Ltd., New York.
		RUTECKI, Paul, "Anatomical, Physiological, and Theoretical Basis for the Antiepileptic Effect of Vagus Nerve Stimulation," Epilepsia, 31(Suppl. 2), 1990, pp. S1-S6, Raven Press, Ltd., New York.
		TERRY, Reese, et al., "An Implantable Neurocybernetic Prosthesis System," Epilepsia, 31 (Suppl. 2, 1990, pp. S33-S37, Raven Press, Ltd. New York.
		URTHALER, James F., "Experimental Studies on the Pathogenesis of Asystole After Verapamil in the Dog," Am. J. Cardiol., Vol. 44, No. 4, pp. 651-656, 1979 (Abstract Only).

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		UTHMAN, Basim M., et al., "Efficacy and Safety of Vagus Nerve Stimulation in Patients with Complex Partial Seizures," Epilepsia, 31(Suppl. 2), 1990, pp. S44-S50, Raven Press, Ltd., New York.
		VALAVANUR, Eur. J Cardio-Thorac Surg, 1996, 10:1058-1063.
		WOODBURY, Dixon M., et al., "Effects of Vagal Stimulation on Experimentally Induced Seizures in Rats," Epilepsia, 31(Suppl. 2), 1990, pp. S7-S19, Raven Press, Ltd., New York.
		WESTABY, S., "Coronary Surgery Without Cardiopulmonary Bypass," British Heart Journal, 73:203-205.

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